Contact SAMSUNG WORLDWIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

Country	Customer Care Centre ☎	Web Site
AUSTRIA	0810 - SAMSUNG (7267864, € 0.07/min)	www.samsung.com/at
BELGIUM	02-201-24-18	www.samsung.com/be (Dutch) www.samsung.com/be_fr (French)
CZECH	800 - SAMSUNG (800-726786)	www.samsung.com/cz
	Samsung Zrt., česká organizační složka, Oasis Florenc, Sokolovská394/17, 180 00, Praha 8	
DENMARK	70 70 19 70	www.samsung.com/dk
FINLAND	030 - 6227 515	www.samsung.com/fi
FRANCE	01 48 63 00 00	www.samsung.com/fr
GERMANY	01805 - SAMSUNG (726-7864 € 0,14/Min)	www.samsung.de
HUNGARY	06-80-SAMSUNG (726-7864)	www.samsung.com/hu
ITALIA	800-SAMSUNG (726-7864)	www.samsung.com/it
LUXEMBURG	261 03 710	www.samsung.com/lu
NETHERLANDS	0900-SAMSUNG (0900-7267864) (€ 0,10/Min)	www.samsung.com/nl
NORWAY	815-56 480	www.samsung.com/no
POLAND	0 801 1SAMSUNG (172678) 022-607-93-33	www.samsung.com/pl
PORTUGAL	80820-SAMSUNG (726-7864)	www.samsung.com/pt
SLOVAKIA	0800-SAMSUNG (726-7864)	www.samsung.com/sk
SPAIN	902 - 1 - SAMSUNG (902 172 678)	www.samsung.com/es
SWEDEN	0771 726 7864 (SAMSUNG)	www.samsung.com/se
TURKEY	444 77 11	www.samsung.com/tr
U.K	0845 SAMSUNG (7267864)	www.samsung.com/uk
EIRE	0818 717100	www.samsung.com/ie
SWITZERLAND	0848 - SAMSUNG (7267864, CHF 0.08/min)	www.samsung.com/ch www.samsung.com/ch_fr/(French)
LITHUANIA	8-800-77777	www.samsung.com/lt
LATVIA	8000-7267	www.samsung.com/lv
ESTONIA	800-7267	www.samsung.com/ee

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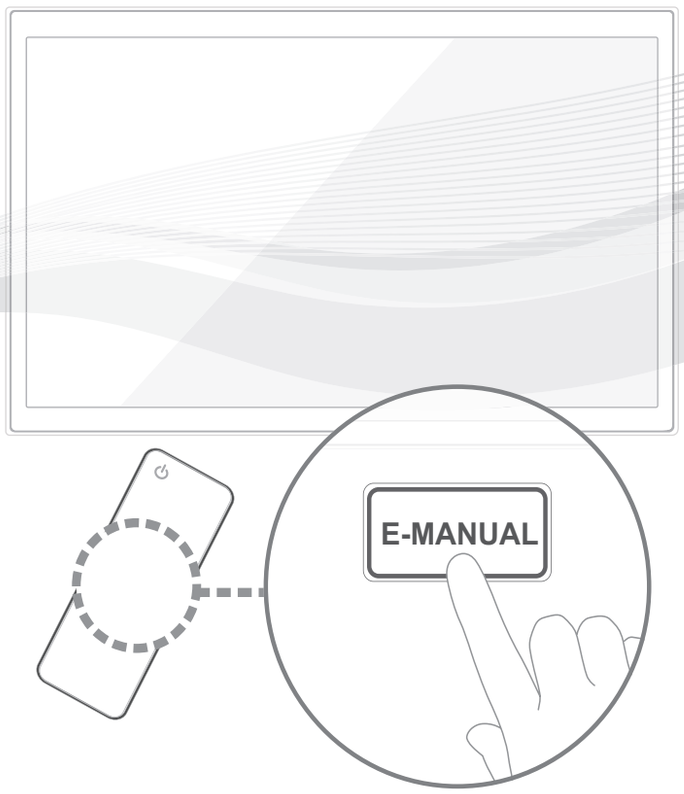
BN68-03451E-00

SERIES 8+

Plasma TV

user manual



imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service, please register your product at

www.samsung.com/register

Model _____ Serial No. _____

For more information on how to use e-Manual (p. 14)

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice.

Digital TV notice

1. Functionalities related to Digital TV (DVB) are only available in countries/areas where DVB-T (MPEG2 and MPEG4 AVC) digital terrestrial signals are broadcasted or where you are able to access to a compatible DVB-C (MPEG2 and MPEG4 AAC) cable-TV service. Please check with your local dealer the possibility to receive DVB-T or DVB-C signal.
2. DVB-T is the DVB European consortium standard for the broadcast transmission of digital terrestrial television and DVB-C is that for the broadcast transmission of digital TV over cable. However, some differentiated features like EPG (Electric Programme Guide), VOD (Video On Demand) and so on, are not included in this specification. So, they cannot be workable at this moment.
3. Although this TV set meets the latest DVB-T and DVB-C standards, as of [August, 2008], the compatibility with future DVB-T digital terrestrial and DVB-C digital cable broadcasts cannot be guaranteed.
4. Depending on the countries/areas where this TV set is used some cable-TV providers may charge an additional fee for such a service and you may be required to agree to terms and conditions of their business.
5. Some Digital TV functions might be unavailable in some countries or regions and DVB-C might not work correctly with some cable service providers.
6. For more information, please contact your local Samsung customer care centre.

✎ The reception quality of TV may be affected due to differences in broadcasting method between the countries. Please check the TV performance in the local SAMSUNG Authorized Dealer, or the Samsung Call Centre whether it can be improved by reconfiguring TV setting or not.

User Instructions

- **Screen Image retention**
  Do not display a still image (such as on a video game) on the plasma display panel for more than several minutes as it can cause screen image retention. This image retention is also known as “screen burn”. To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.
- **Heat on the top of the Plasma TV**
  The top side of the product may be hot after long periods of use as heat dissipates from the panel through the vent hole in the upper part of the product.
  This is normal and does not indicate any defect or operation failure of the product.
  However, children should be prevented from touching the upper part of the product.
- **The product is making a “cracking” noise.**
  A “cracking” noise may occur when the product contracts or expands due to a change in the surrounding environment such as temperature or humidity. This is normal and not a defect of the unit.
- **Cell Defects**
  The PDP uses a panel consisting of 2,360,000(HD-level) to 6,221,000(FHD-level) pixels which require sophisticated technology to produce. However, there may be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.
- **Avoid operating the TV at temperatures below 41°F (5°C)**
- **A still image displayed too long may cause permanent damage to the PDP Panel.**

Watching the Plasma TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and centre of the screen caused by the difference of light emission on the screen. Playing a DVD or a game console may cause similar effects to the screen.
Damages caused by the above effect are not covered by the Warranty.

- **After-images on the Screen.**
  Displaying still images from Video games and PC for longer than a certain period of time may produce partial after-images.
  To prevent this effect, reduce the “brightness” and “contrast” when displaying still images for a long time.
- **Warranty**
  Warranty does not cover any damage caused by image retention.
  Burn-in is not covered by the warranty.

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)
(Applicable in the European Union and other European countries with separate collection systems)
This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Correct disposal of batteries in this product
(Applicable in the European Union and other European countries with separate battery return systems)
This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment. To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

Accessories

✎ Please make sure the following items are included with your TV. If any items are missing, contact your dealer.

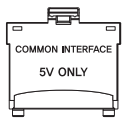
✎ The items' colours and shapes may vary depending on the models.

✎ Cables not included in the package contents can be purchased separately.

✎ Check that there is no accessory hidden behind packing materials when you open the box.

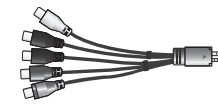
⚠ **CAUTION: INSERT SECURELY LEST SHOULD BE DETACHED IN SET**

- Remote Control & Batteries (AAA x 2)
- Owner's Instructions
- Cleaning Cloth
- Warranty Card (Not available in some locations) / Safety Guide



CI Card Adapter

Scart Adapter (2 EA)

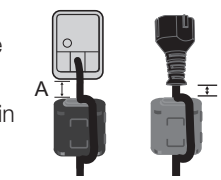


AV/Component Adapter

Ferrite Core (2EA) Ferrite Core (1EA)

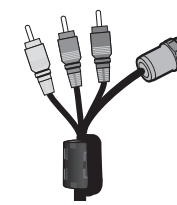
✎ Ferrite Core for Power Cord: The ferrite cores are used to shield the cables from interference. When connecting a cable, open the ferrite core and clip it around the cable near the plug as shown in the figure.

- **A** Maximum distance between the ferrite core and the end of the cord inserted in the TV: 6~8 inches
- **B** Maximum distance between the ferrite core and the other end of the cord inserted in the AC outlet: 3/4 inch



Power Cord

✎ Ferrite Core : The ferrite cores are used to shield the cables from interference. When connecting a cable, open the ferrite core and clip it around the cable near the plug as shown in the figure.

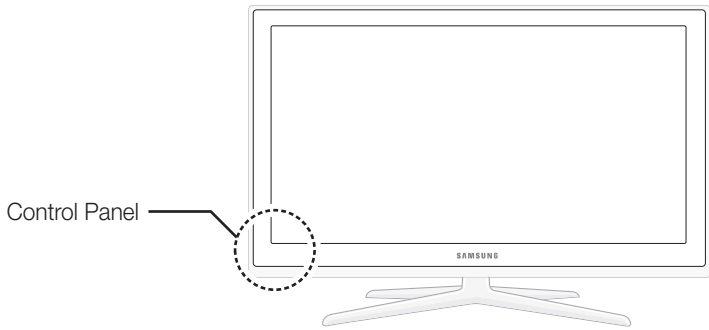


Antenna Cable/
Component Cable
(sold separately)

- An administration fee may be charged if either
  - (a) an engineer is called out at your request and there is no defect in the product (i.e. where you have failed to read this user manual)
  - (b) you bring the unit to a repair centre and there is no defect in the product (i.e. where you have failed to read this user manual).
- The amount of such administration charge will be advised to you before any work or home visit is carried out.

Viewing the Control Panel

✎ The product colour and shape may vary depending on the model.



	Remote control sensor	Aim the remote control towards this spot on the TV.
	Power Indicator	Blinks and turns off when the power is on and lights up in standby mode.
	SOURCE ⏎	Toggles between all the available input sources. In the on-screen menu, use this button as you would use the ENTER ⏎ button on the remote control.
	MENU	Displays an on-screen menu, the OSD (on screen display) of your TV's features.
	– VOL +	Adjusts the volume. In the OSD, use the **– VOL +** buttons as you would use the ◄ and ► buttons on the remote control.
	∨ CH ∧	Changes the channels. In the OSD, use the **∨ CH ∧** buttons as you would use the ▼ and ▲ buttons on the remote control.
	⏻ (Power)	Turns the TV on or off.

Standby mode

Do not leave your TV in standby mode for long periods of time (when you are away on a holiday, for example). A small amount of electric power is still consumed even when the power button is turned off. It is best to unplug the power cord.

Securing the Installation Space

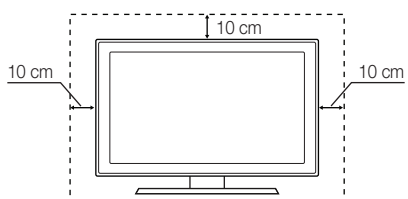
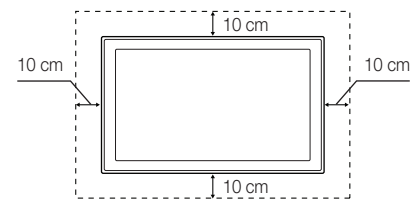
Keep the required distances between the product and other objects (e.g. walls) to ensure proper ventilation. Failing to do so may result in fire or a problem with the product due to an increase in the internal temperature of the product.

✎ When using a stand or wall-mount, use parts provided by Samsung Electronics only.

- If you use parts provided by another manufacturer, it may result in a problem with the product or an injury due to the product falling.

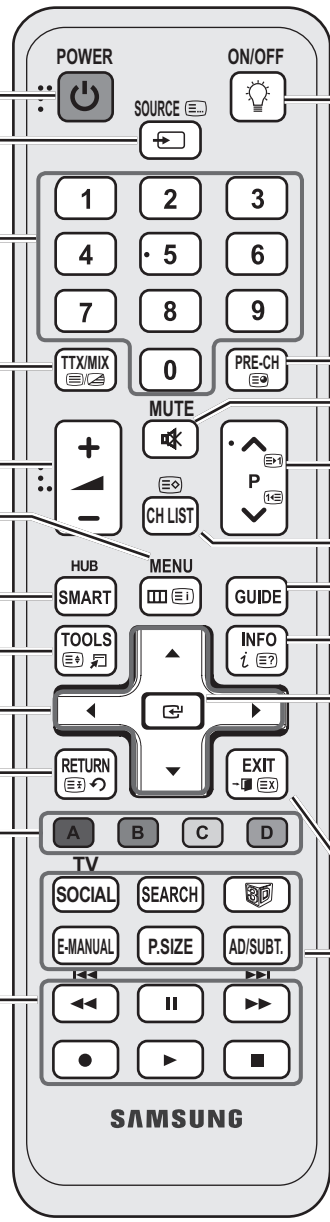
✎ The appearance may differ depending on the product.

✎ Be careful when you contact the TV because some parts can be somewhat hot.

Installation with a stand.	Installation with a wall-mount.
	

Viewing the Remote Control

✎ This is a special remote control for the visually impaired persons and has Braille points on the Power, Channel and Volume buttons.



Turns the TV on and off.

Displays and selects the available video sources.

Have direct access to channels.

Alternately select Teletext ON, Double, Mix or OFF.

Adjusts the volume.

Opens the OSD.

Link to various application services.

Quickly select frequently used functions.

Selects the on-screen menu items and changes the values seen on the menu.

Returns to the previous menu.

These buttons are for the **Channel Manager, SMART HUB** menu, etc.

Use these buttons in **SMART HUB** and **Anynet+** modes.

Turns the remote control light on or off. When on, the buttons become illuminated for a moment when pressed. (Using the remote control with this button set to On will reduce the battery usage time.)

Returns to the previous channel.

Cuts off the sound temporarily.

Changes channels.

Displays channel lists on the screen.

Displays the EPG (Electronic Programme Guide).

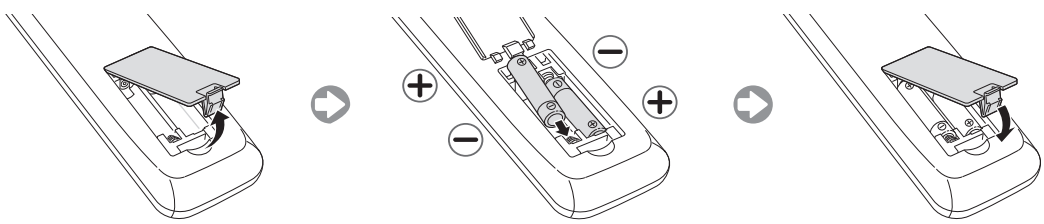
Displays information on the TV screen.

OFN (Optical Finger Navigation) Sensor can be used as a pointer only in Web Browser application.
If you don't press any buttons within 30 seconds, the sensor will turn off automatically. To wake up the sensor, press **ENTER**, **Navigation**, **Colour**, **REW**, **FF**, **Return** buttons.
While you use this sensor, the backlight will not be operated.

Exits the menu.

SOCIAL TV: Displays the **Social TV** screen.
SEARCH: Support to recommendation search word and search function.
: Sets the video, which provided with **3D** signal.
E-MANUAL: Displays the **e-Manual**.
P.SIZE: Selects the **Picture size**.
AD/SUBT.: Turns the audio description on and off (not available in some locations). / Displays digital subtitles.

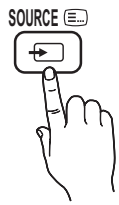
Installing batteries (Battery size: AAA)



Changing the Input Source

Source

Use to select TV or an external input sources such as a DVD / Blu-ray player / cable box / STB satellite receiver.



- **TV / Ext. / PC / AV / Component / HDMI1/DVI / HDMI2 / HDMI3 / HDMI4 / USB / AllShare**

✎ In the **Source**, connected inputs will be highlighted.

✎ **Ext.** and **PC** always stay activated.

Edit Name

In the **Source**, press the **TOOLS** button, and then you can set an external input sources name you want.

- **VCR / DVD / Cable STB / Satellite STB / PVR STB / AV Receiver / Game / Camcorder / PC / DVI PC / DVI Devices / TV / IPTV / Blu-ray / HD DVD / DMA**: Name the device connected to the input jacks to make your input source selection easier.

✎ When connecting a PC to the **HDMI IN 1(DVI)** port with HDMI cable, you should set the TV to **PC** mode under **Edit Name**.

✎ When connecting a PC to the **HDMI IN 1(DVI)** port with HDMI to DVI cable, you should set the TV to **DVI PC** mode under **Edit Name**.

✎ When connecting an AV devices to the **HDMI IN 1(DVI)** port with HDMI to DVI cable, you should set the TV to **DVI Devices** mode under **Edit Name**.

Edit Favourites

In the **Source**, press the **TOOLS** button to select **Edit Favourites**. You can set an external input source to Favourites.

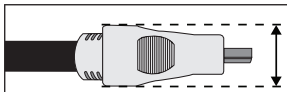
Information

You can see detailed information about the selected external device.

Refresh

In the **Source**, If the external devices is not displayed, press the **TOOLS** button to select **Refresh**. Searching for connected devices.

✎ For best cable connection to this product, be sure to use cables with a maximum thickness as below:



- Maximum thickness - 0.55 inches (14mm)

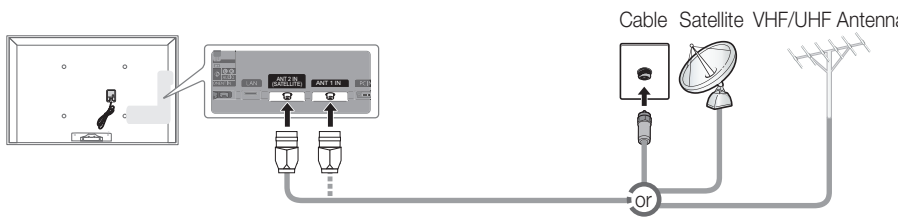
Connecting to an Antenna

When the TV is initially powered on, basic settings proceed automatically.

✎ Preset: Connecting the mains and antenna.

✎ The PDP device may interfere with an amateur radio or AM radio.

✎ When using two-way radio mobile and portable units or amateur radio or AM radio near by your TV, this may cause the TV to malfunction.



Plug & Play (Initial Setup)

When the TV is initially powered on, a sequence of on-screen prompts will assist in configuring basic settings. Press the POWER ⏻ button. **Plug & Play** is available only when the **Source** is set to TV.

✎ Before turning on the TV, make sure the antenna cable is connected (p. 6).

1	Selecting the OSD Language	Press the ▲ or ▼ button, then press the ENTER ↵ button. Select the desired OSD (On Screen Display) language.
2	Setting up the Network	Set up your network connection. Press the ENTER ↵ button to start. If you do not know your network set up information or want to set to it later, select **Skip**. We suggest you skip network connection setup now and refer to "Network menu" in the e-Manual for set up requirements and instructions, and the Network Connection section of this manual (p. 13). You can set up the network connection later using the Network menu.
3	Software Upgrade	Select Next to upgrade TV software. Your TV will automatically upgrade, if your TV need a software upgrade. If you want to upgrade later, select the Skip. For more information, refer to "Software Upgrade" (Preference Features → Support Menu) in the e-Manual. ✎ This may take some time, depending on network status.
4	Selecting the usage mode	Press the ▲ or ▼ button to select **Home Use**, and then press the ENTER ↵ button twice. ✎ Select the **Home Use** mode. **Store Demo** mode is for retail environments.
5	Select Country (Depending on the country)	Press the ▲ or ▼ button, then press the ENTER ↵ button. Select the appropriate country. ✎ After selecting the country in the **Country** menu, some models may proceed with an additional option to setup the pin number. ✎ When you input the PIN number, 0-0-0-0 is not available.
6	Setting the **Clock Mode**	Set the **Clock Mode** automatically or manually. **Auto**: Select the time zone where you are located. **Manual**: Allows you to manually set the current date and time.
7	Selecting search options for auto tuning	Press the ▲ or ▼ button, then press the ENTER ↵ button. Select the channel source to memorise. When setting the antenna source to Cable, a step appears allowing you to assign numerical values (channel frequencies) to the channels. For more information, refer to **Channel** → **Auto Tuning**. ✎ When **Air** or **Cable** is selected first: After all **Air** or **Cable** channels are stored, the step for storing **Satellite** channels is displayed. ✎ When **Satellite** is selected first: After all **Satellite** channels are stored, the step for storing **Air** or **Cable** channels is displayed. ✎ Press the ENTER ↵ button at any time to interrupt the memorisation process.
8	**Enjoy your TV.**	If you want to watch a broadcast Programme, select **Close**. If you want to enjoy the **Smart Hub**, select the **Smart Hub**. The **Smart Hub** will start. For more detailed information, refer to "Smart Hub" in the e-Manual.

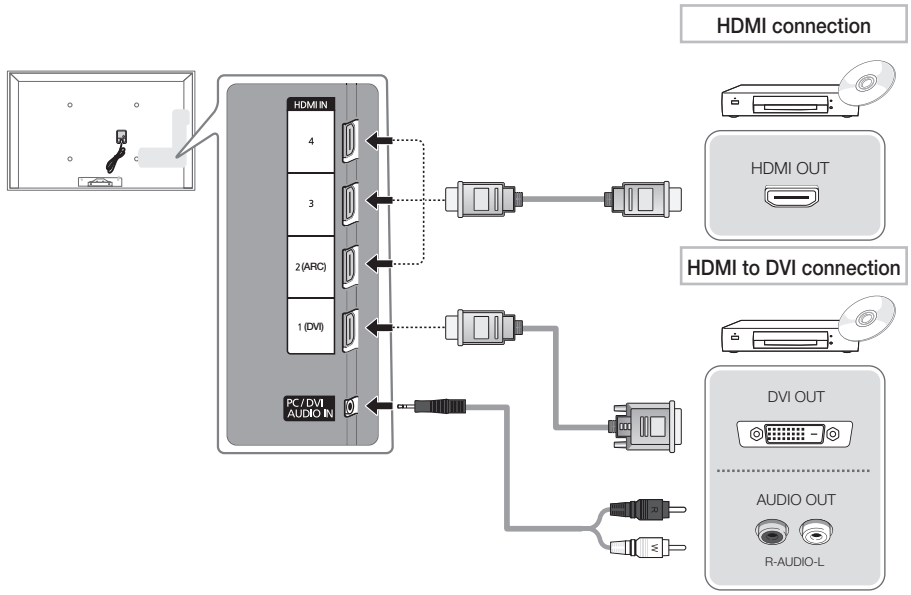
If You Want to Reset This Feature...

Select **System** - **Plug & Play** (Initial Setup). Enter your 4 digit PIN number. The default PIN number is "0-0-0-0". If you want to change the PIN number, use the **Change PIN** function.

You should do **Plug & Play** (**Menu** → **System**) again at home although you did in shop.

✎ If you forget the PIN code, press the remote control buttons in the following sequence in Standby mode, which resets the PIN to "0-0-0-0": **MUTE** → 8 → 2 → 4 → **POWER** (on).

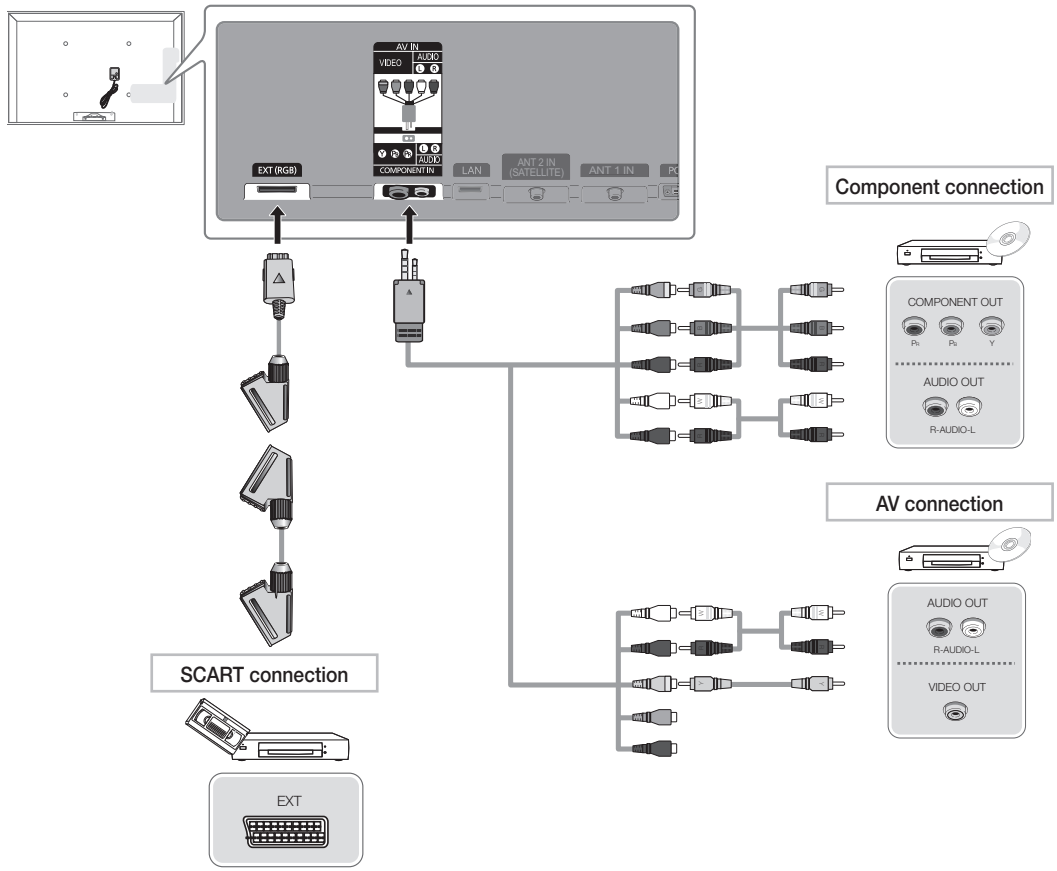
Available devices: DVD, Blu-ray player, HD cable box, HD STB (Set-Top-Box) satellite receiver, VCR, Digital Audio System, Amplifier, DVD home Theatre, PC



Using an HDMI or an HDMI to DVI connection cable (up to 1080p)

✎ **HDMI IN 1(DVI), 2(ARC), 3, 4 / PC/DVI AUDIO IN**

- For better picture and audio quality, connect to a digital device using an HDMI cable.
- An HDMI cable supports digital video and audio signals, and does not require an audio cable.
  - To connect the TV to a digital device that does not support HDMI output, use an HDMI/DVI and audio cables.
- The picture may not display normally (if at all) or the audio may not work if an external device that uses an older version of HDMI mode is connected to the TV. If such a problem occurs, ask the manufacturer of the external device about the HDMI version and, if out of date, request an upgrade.
- Be sure to use an HDMI cable with a thickness of 14 mm or less.
- Be sure to purchase a certified HDMI cable. Otherwise, the picture may not display or a connection error may occur.
- A basic high-speed HDMI cable or one with ethernet is recommended. This product does not support the ethernet function via HDMI.
- This product supports the 3D and ARC (Audio Return Channel) functions via an HDMI cable. Note that the ARC function is supported by the **HDMI IN 2(ARC)** port only.
  - If **3D Auto View** is set to **On**, some functions such as **SMART HUB** may be disabled. In this case, set **3D Auto View** or **3D Mode** to **Off**.
- The ARC function allows digital audio to output via the **HDMI IN 2(ARC)** port. It can be enabled only when the TV is connected with an audio receiver that supports the ARC function.

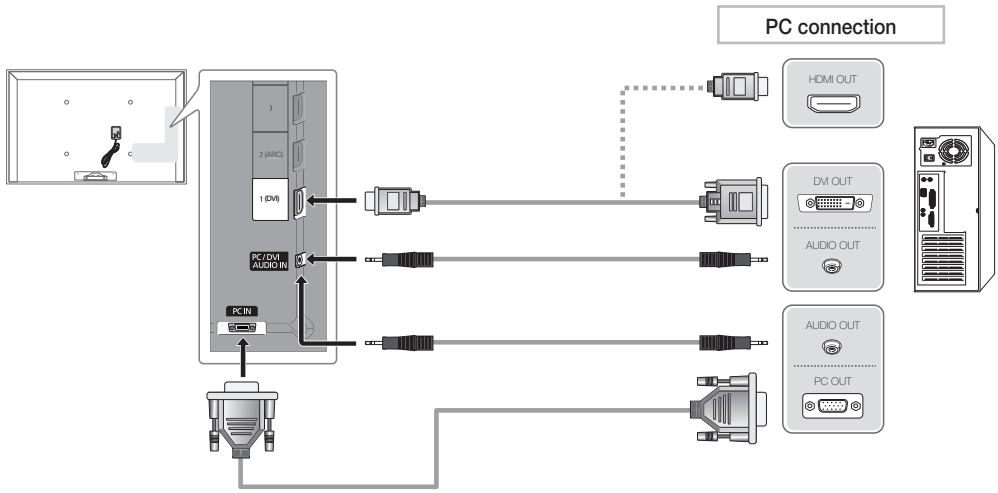


Using a Component (up to 1080p) or an Audio/Video (480i only) and a Scart Cable

- In **Ext.** mode, DTV Out supports MPEG SD Video and Audio only.
- When connecting to **AV IN**, connect the AV connector(yellow) to the TV jack(Green).
- To obtain the best picture quality, the Component connection is recommended over the A/V connection.

Using an HDMI cable or an HDMI to DVI cable or a D-sub cable

✎ Connecting through the HDMI cable may not be supported depending on the PC.



Display Modes (D-Sub and an HDMI to DVI Input)

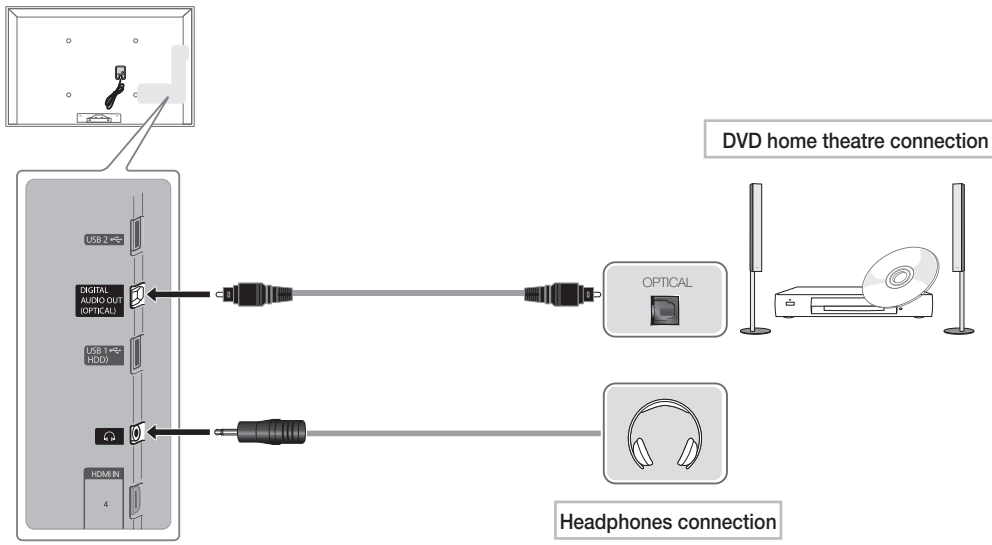
Optimal resolution is 1920 X 1080 @ 60 Hz.

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)
IBM	640 x 350	31.469	70.086	25.175	+/-
	720 x 400	31.469	70.087	28.322	-/+
MAC	640 x 480	35.000	66.667	30.240	-/-
	832 x 624	49.726	74.551	57.284	-/-
	1152 x 870	68.681	75.062	100.000	-/-
VESA DMT	640 x 480	31.469	59.940	25.175	-/-
	640 x 480	37.861	72.809	31.500	-/-
	640 x 480	37.500	75.000	31.500	-/-
	800 x 600	37.879	60.317	40.000	+/+
	800 x 600	48.077	72.188	50.000	+/+
	800 x 600	46.875	75.000	49.500	+/+
	1024 x 768	48.363	60.004	65.000	-/-
	1024 x 768	56.476	70.069	75.000	-/-
	1024 x 768	60.023	75.029	78.750	+/+
	1152 x 864	67.500	75.000	108.000	+/+
	1280 x 1024	63.981	60.020	108.000	+/+
	1280 x 1024	79.976	75.025	135.000	+/+
	1280 x 800	49.702	59.810	83.500	-/+
	1280 x 800	62.795	74.934	106.500	-/+
	1280 x 960	60.000	60.000	108.000	+/+
	1360 x 768	47.712	60.015	85.500	+/+
	1440 x 900	55.935	59.887	106.500	-/+
	1440 x 900	70.635	74.984	136.750	-/+
	1680 x 1050	65.290	59.954	146.250	-/+
VESA DMT / DTV CEA	1920 x 1080p	67.500	60.000	148.500	+/+

✎ **NOTE**

- For HDMI/DVI cable connection, you must use the **HDMI IN 1(DVI)** jack.
- The interlace mode is not supported.
- The set might operate abnormally if a non-standard video format is selected.
- Separate and Composite modes are supported. SOG(Sync On Green) is not supported.

Available devices: digital audio system, amplifier, DVD home theatre



Using an Optical (Digital) or a Headphone Connection

✎ DIGITAL AUDIO OUT (OPTICAL)

- When a digital audio system is connected to the **DIGITAL AUDIO OUT (OPTICAL)** jack, decrease the volume of both the TV and the system.
- 5.1 CH (channel) audio is available when the TV is connected to an external device supporting 5.1 CH.
- When the receiver (home theatre) is set to on, you can hear sound output from the TV's optical jack. When the TV is receiving a DTV signal, the TV will send 5.1 CH sound to the home theatre receiver. When the source is a digital component such as a DVD / Blu-ray player / cable box / STB (Set-Top-Box) satellite receiver and is connected to the TV via HDMI, only 2 CH audio will be heard from the home theatre receiver. If you want to hear 5.1 CH audio, connect the digital audio out jack from your DVD / Blu-ray player / cable box / STB satellite receiver directly to an amplifier or home theatre.

✎ **Headphones** 🎧: You can connect your headphones to the headphones output on your set. While the headphones are connected, the sound from the built-in speakers will be disabled.

- Sound function may be restricted when connecting headphones to the TV.
- Headphone volume and TV volume are adjusted separately.

Connecting to a COMMON INTERFACE slot

Attaching the CI Card Adapter

Attach the adapter as shown below.

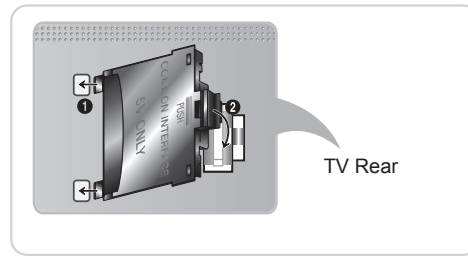
To connect the CI CARD Adapter, follow these steps.

✎ We recommend attaching the adapter before installing the wall mount, or inserting the “CI or CI+ CARD”.

1. Insert the CI CARD Adapter into the two holes on the product ❶.

   ✎ Please find a two holes on the rear of the TV. A two holes is beside the **COMMON INTERFACE** port.

2. Connect the CI CARD Adapter into the **COMMON INTERFACE** port on the product ❷.
3. Insert the “CI or CI+ CARD”.

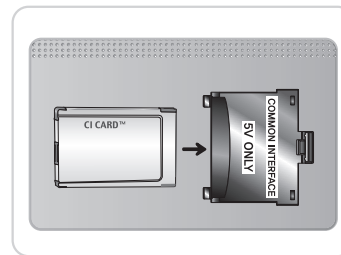


We recommand that you insert the CI card before you mount the TV on a wall.
It may be difficult to insert after the mounting.
Insert the card after attaching the CI-Adapter on TV.
It is difficult to attach the module if you insert the card before attaching.

Using the “CI or CI+ CARD”

To watch paid channels, the “CI or CI+ CARD” must be inserted.

- If you don’t insert the “CI or CI+ CARD”, some channels will display the message “Scrambled Signal”.
- The pairing information containing a telephone number, the “CI or CI+ CARD” ID the Host ID and other information will be displayed in about 2~3 minutes. If an error message is displayed, please contact your service provider.
- When the configuration of channel information has finished, the message “Updating Completed” is displayed, indicating the channel list is updated.



✎ **NOTE**

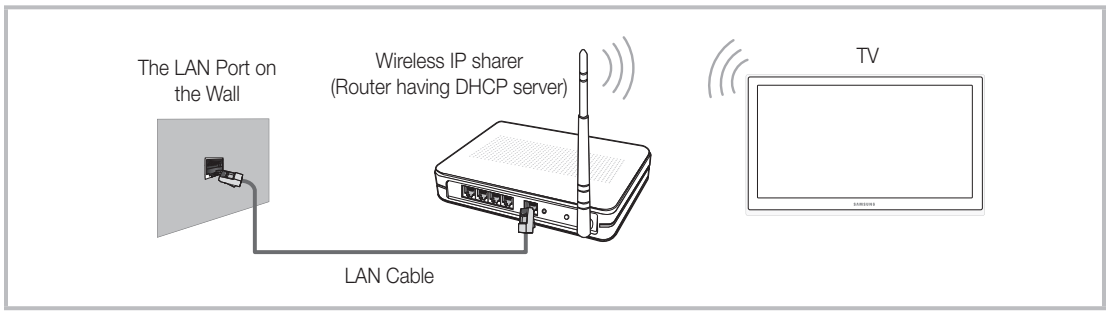
- You must obtain a “CI or CI+ CARD” from a local cable service provider.
- When removing the “CI or CI+ CARD”, carefully pull it out with your hands since dropping the “CI or CI+ CARD” may cause damage to it.
- Insert the “CI or CI+ CARD” in the direction marked on the card.
- The location of the **COMMON INTERFACE** slot may be different depending on the model.
- “CI or CI+ CARD” is not supported in some countries and regions; check with your authorized dealer.
- If you have any problems, please contact a service provider.
- Insert the “CI or CI+ CARD” that supports the current antenna settings. The screen will be distorted or will not be seen.

Network Connection

You can set up your TV so that it can access the Internet through your local area network (LAN) using a wired or wireless connection.

Network Connection - Wireless

You can connect your TV to your LAN through a standard wireless router or modem.



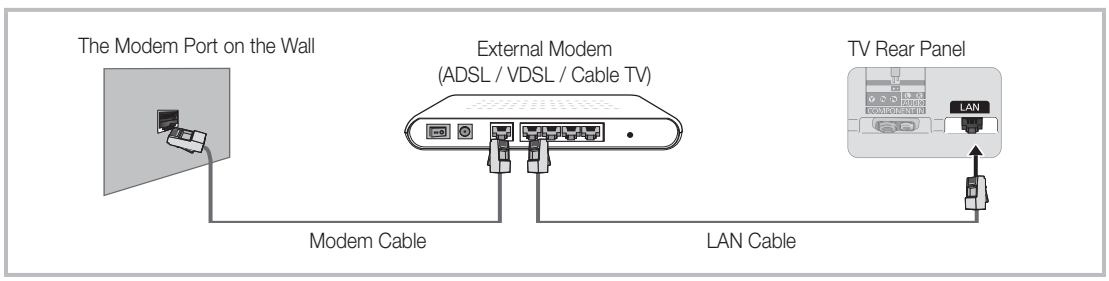
Samsung's Wireless LAN adapter supports the IEEE 802.11a/b/g and n communication protocols. Samsung recommends using IEEE 802.11n. When you play the video over a IEEE 802.11b/g connection, the video may not play smoothly.

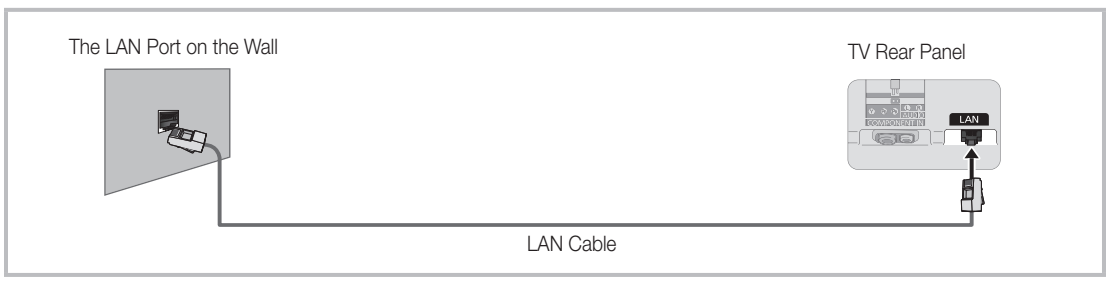
Most wireless network systems incorporate a security system that requires devices that access the network through an access point or wireless router (typically a wireless IP Sharer) to transmit an encrypted security code called an access key.

If Pure High-throughput (Greenfield) 802.11n mode is selected and the Encryption type is set to WEP, TKIP or TKIP AES (WPS2Mixed) for your wireless router, Samsung TVs will not support a connection in compliance with new Wi-Fi certification specifications.

Network Connection - Wired

There are two main ways to connect your TV to your network using cable, depending on your network setup. They are illustrated below:





✎ It is not supported when the network speed is under 10 Mbps.

✎ Use Cat 5 cable for the connection.

How to view the e-Manual

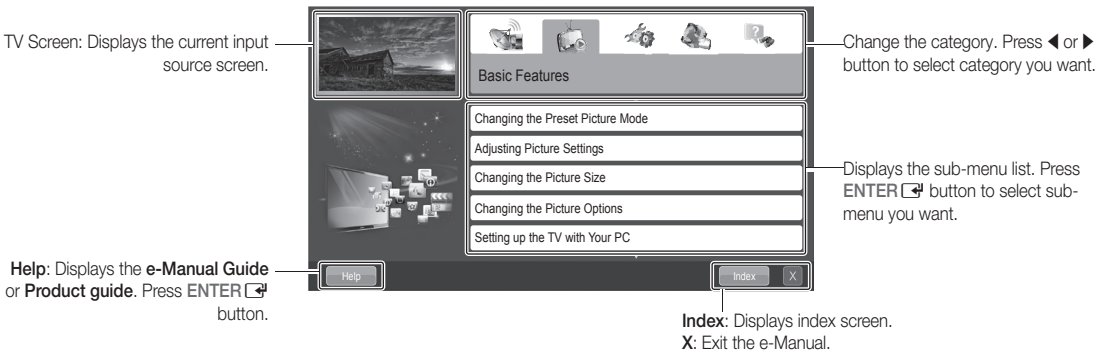
You can read the introduction and instructions about the TV features stored in your TV.

MENU → Support → e-Manual → ENTER

✎ If you want to return to e-Manual, press **E-MANUAL** button on remote.

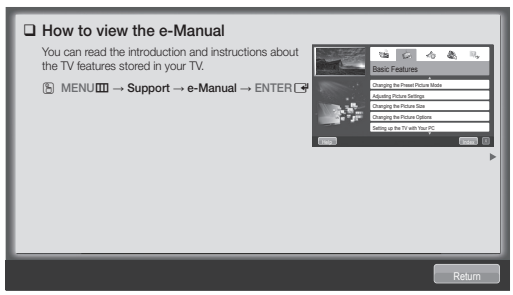
✎ You can't use the **Try Now** function, if the menu is not activated.

Screen Display


TV Screen: Displays the current input source screen.
Basic Features
Changing the Preset Picture Mode
Adjusting Picture Settings
Changing the Picture Size
Changing the Picture Options
Setting up the TV with Your PC
Change the category. Press ◀ or ▶ button to select category you want.
Displays the sub-menu list. Press ENTER button to select sub-menu you want.
Help: Displays the e-Manual Guide or Product guide. Press ENTER button.
Help
Index
X
Index: Displays index screen.
X: Exit the e-Manual.

Using the Help

Display the e-Manual Guide & the Product Guide by pressing **Help**.


How to view the e-Manual
You can read the introduction and instructions about the TV features stored in your TV.
MENU → Support → e-Manual → ENTER
Basic Features
Changing the Preset Picture Mode
Adjusting Picture Settings
Changing the Picture Size
Changing the Picture Options
Setting up the TV with Your PC
Return

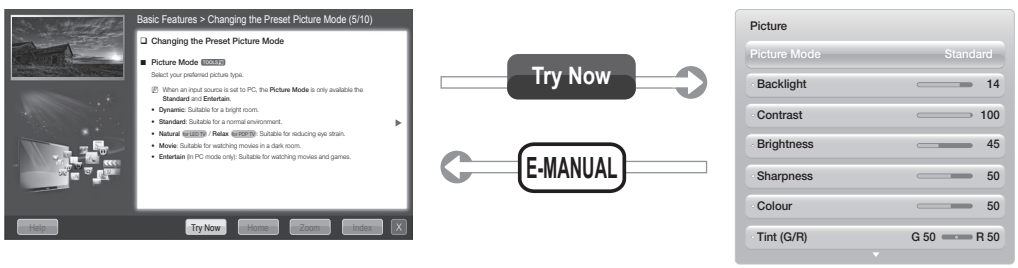
<E-manual Guide>

The e-Manual guide appears as above.

<Product Guide>

The product guide appears as above.

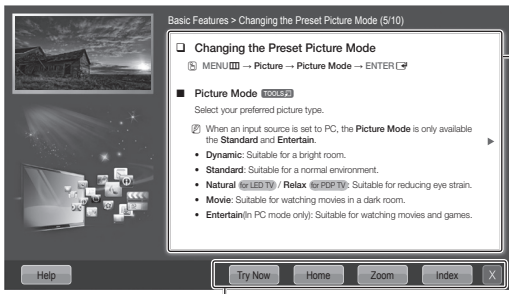
How to toggle between the e-Manual and the corresponding menu(s).


Basic Features > Changing the Preset Picture Mode (5/10)
Changing the Preset Picture Mode
Picture Mode
Select your preferred picture type.
When an input source is set to PC, the Picture Mode is only available the Standard and Entertain.
Dynamic: Suitable for a bright room.
Standard: Suitable for a normal environment.
Natural / Relax: Suitable for reducing eye strain.
Movie: Suitable for watching movies in a dark room.
Entertain (In PC mode only): Suitable for watching movies and games.
Help
Try Now
Home
Zoom
Index
X
Try Now
E-MANUAL
Picture
Picture Mode Standard
Backlight 14
Contrast 100
Brightness 45
Sharpness 50
Colour 50
Tint (G/R) G 50 R 50

✎ This function is not enabled in some menus.

Method 1	Method 2
1. Select **Try Now**, if you want to execute the corresponding menu(s). 2. To return to the e-Manual screen, press the **E-MANUAL** button.	1. Press the **ENTER** button when selecting Contents Area. The "**Are you sure?**" is displayed. Select **Yes** and then press the **ENTER** button. The OSD window will be displayed. 2. To return to the e-Manual screen, press the **E-MANUAL** button.

Viewing the Contents


Basic Features > Changing the Preset Picture Mode (5/10)
Changing the Preset Picture Mode
MENU → Picture → Picture Mode → ENTER
Picture Mode TOOLS
Select your preferred picture type.
When an input source is set to PC, the Picture Mode is only available the Standard and Entertain.
Dynamic: Suitable for a bright room.
Standard: Suitable for a normal environment.
Natural for LED TV / Relax for PDP TV: Suitable for reducing eye strain.
Movie: Suitable for watching movies in a dark room.
Entertain(In PC mode only): Suitable for watching movies and games.
Help
Try Now
Home
Zoom
Index
X

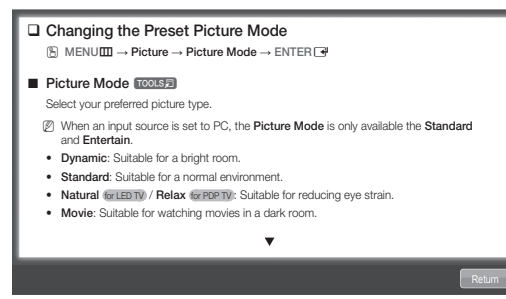
Contents Area: You can view the corresponding contents, if you selected a sub-menu. To move previous or next page, press the ◀ or ▶ button.

Try Now: Displays the corresponding menu(s).
Home: Moves to the e-Manual home screen.
Zoom: Magnifies a screen.
Index: Displays index screen.

Using the Zoom mode

When you view the e-Manual instruction, select the **Zoom** to magnify the screen. You can scroll through the magnified screen by using the ▲ or ▼ buttons.

✎ To return to the previous screen, press the **RETURN** button.


Changing the Preset Picture Mode
MENU → Picture → Picture Mode → ENTER
Picture Mode TOOLS
Select your preferred picture type.
When an input source is set to PC, the Picture Mode is only available the Standard and Entertain.
Dynamic: Suitable for a bright room.
Standard: Suitable for a normal environment.
Natural for LED TV / Relax for PDP TV: Suitable for reducing eye strain.
Movie: Suitable for watching movies in a dark room.
Return

How to search a keyword by using index page

✎ This function may not supported depending on the language.

1. If you want to search a keyword, press the ▲ / ▼ / ◀ / ▶ button to select **Index**.
2. Press the ◀ or ▶ button to select a character order you want, and then press the **ENTER** button.
3. Press the ▲ or ▼ button to select a keyword you want to see, and then press the **ENTER** button.
4. You can view the corresponding e-Manual instruction screen.

   ✎ To close the **Index** screen, press the **RETURN** button.

Installing the Wall Mount

Installing the Wall Mount Kit

The wall mount kit (sold separately) allows you to mount the TV on the wall.

For detailed information on installing the wall mount, see the instructions provided with the wall mount. Contact a technician for assistance when installing the wall mount bracket.

Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV on your own.

Wall Mount Kit Specifications (VESA)

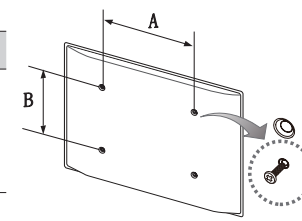
✎ The wall mount kit is not supplied, but sold separately.

Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If installed on a ceiling or slanted wall, it may fall and result in severe personal injury.

✎ **NOTE**

- Standard dimensions for wall mount kits are shown in the table below.
- When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
- Do not use screws that do not comply with the VESA standard screw specifications.
- Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
- Do not fasten the screws that are too strongly; this may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- Our 55” model do not comply with VESA Specifications. Therefore, you should use our dedicated wall mount kit for this model.
- Do not mount the TV at more than a 15 degree tilt.

Product Family	inches	VESA Spec. (A * B)	Standard Screw	Quantity
PDP-TV [Ultra-Slim]	51	400 X 400	M8	4
	59~64	600 X 400		



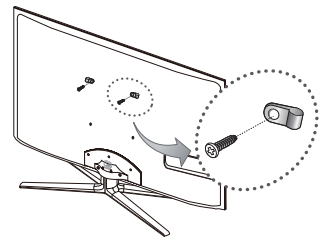
✎ Unscrew the hole around before installing Wall-Mount on the wall.

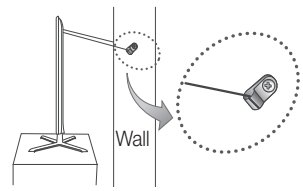
⚠ Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

Securing the TV to the wall

Caution: Pulling, pushing, or climbing onto the TV may cause the TV to fall. In particular, ensure that your children do not hang over or destabilize the TV; doing so may cause the TV to tip over, resulting in serious injuries or death. Follow all safety precautions provided in the included Safety Flyer. For added stability and safety, install the anti-fall device as follows.

To Avoid the TV from Falling



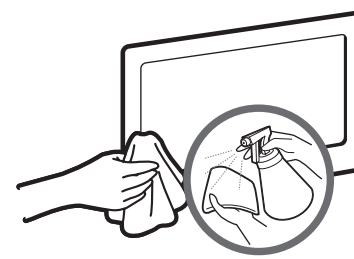


1. Put the screws into the clamps and firmly fasten them onto the wall. Confirm that the screws have been firmly installed onto the wall.
   - ✎ You may need additional material such as an anchor depending on the type of wall.
   - ✎ Since the necessary clamps, screws, and string are not supplied, please purchase these additionally.
2. Remove the screws from the back centre of the TV, put the screws into the clamps, and then fasten the screws onto the TV again.
   - ✎ Screws may not be supplied with the product. In this case, please purchase the screws of the following specifications.
   - ✎ Screw Specifications
3. Connect the clamps fixed onto the TV and the clamps fixed onto the wall with a strong cable and then tie the string tightly.
   - ✎ **NOTE**
     - Install the TV near to the wall so that it does not fall backwards.
     - It is safe to connect the string so that the clamps fixed on the wall are equal to or lower than the clamps fixed on the TV.
     - Untie the string before moving the TV.
4. Verify all connections are properly secured. Periodically check connections for any sign of fatigue for failure. If you have any doubt about the security of your connections, contact a professional installer.

Storage and Maintenance

✎ If you attached some stickers on the TV screen, it remains some debris after removing the sticker. Please clean it to watch TV.

Do not spray water or a cleaning agent directly onto the product. Any liquid that goes into the product may cause a failure, fire, or electric shock.



Clean the product with a soft cloth dapped in a small amount of water.

Troubleshooting

If you have any questions about the TV, first refer to this list. If none of these troubleshooting tips apply, please visit "www.samsung.com," then click on Support, or contact the call centre listed on the back-cover of this manual.

Issues	Solutions and Explanations
The TV won't turn on.	• Make sure the AC power cord is securely plugged in to the wall outlet and the TV. • Make sure the wall outlet is working. • Try pressing the **POWER** button on the TV to make sure the problem is not the remote. If the TV turns on, refer to "Remote control does not work" below.
There is no picture/video.	• Check cable connections (remove and reconnect all cables connected to the TV and external devices). • Set your external device's (Cable/Sat Box, DVD, Blu-ray etc) video outputs to match the connections to the TV input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV. • Make sure your connected devices are powered on. • Be sure to select the TV's correct source by pressing the **SOURCE** button on the remote control.
The remote control does not work.	• Replace the remote control batteries with the poles (+/–) in the right direction. • Clean the sensor's transmission window on the remote. • Try pointing the remote directly at the TV from 5~6 feet away.
The cable/set top box remote control doesn't turn the TV on or off, or adjust the volume.	• Programme the Cable/Set remote control to operate the TV. Refer to the Cable/Set user manual for the SAMSUNG TV code.

✎ Some of above pictures and functions are available at specific models only.

✎ You can keep your TV as optimum condition to upgrade the latest firmware on web site (samsung.com → Support → Downloads) by USB.

Licence

SRS TheaterSound HD

DOLBY DIGITAL PLUS PULSE

dts 2.0+Digital Out

DIVX HD

rovi

List of Features

Excellent Digital Interface & Networking: With a built-in HD digital tuner, nonsubscription HD broadcasts can be viewed without a cable box / STB (Set-Top-Box) satellite receiver.

3D

This exciting new feature enables you to view 3D content.

SMART HUB

The Gateway to all content integrated in one place

- It's all integrated to guide you to easier and diverse entertainment choices
- Control your entertainment life with easy and simple user friendly UI
- Access to diverse Apps that are adding up every day
- Customize your TV, by App grouping & sorting to your taste

AllShare™

AllShare™ connects your TV and compatible Samsung mobile phones/devices through a network.

Anynet+(HDMI-CEC)

Allows you to control all connected Samsung devices that support Anynet+ with your Samsung TV's remote.

Skype

With Skype you can say hello or share a laugh with anyone, anywhere. Communicate with people around the world!

Specifications

Display Resolution	1920 x 1080	
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	 10°C to 40°C (50°F to 104°F) 10% to 80%, non-condensing -20°C to 45°C (-4°F to 113°F) 5% to 95%, non-condensing	
TV System	Analogue: B/G, D/K, L, I (Depending on your country selection) Digital: DVB-T2/DVB-C/DVB-S2	
Colour/Video System	Analogue: PAL, SECAM, NTSC-4.43, NTSC-3.58, PAL60 Digital: MPEG-2 MP@ML, MPEG-4, H.264/AVC MP@L3, MP@L4.0, HP@L4.0	
Sound System	BG, DK, L, NICAM, MPEG1, DD, DD+, HEAAC.	
HDMI IN	Video: 1080 24p, 1080p, 1080i, 720p, 576p, 576i, 480p, 480i Audio: 2Ch Linear PCM 32/44.1/48kHz, 16/20/24bits.	
Stand Swivel (Left / Right)	-20˚ ~ 20˚	
Model Name	PS51D8005	PS64D8005
Screen Size	51 inches	64 inches
Sound (Output)	 10 W X 2	 15 W X 2
Dimensions (WxDxH) Body With stand	 1195.9 X 37.2 X 719.4 mm 1195.9 X 309.5 X 802.0 mm	 1487.9 X 37.1 X 888.9 mm 1487.9 X 351.6 X 979.2 mm
Weight Without Stand With Stand	 22.4 kg 24.8 kg	 35.0 kg 38.3 kg

✎ Design and specifications are subject to change without prior notice.

✎ For information about power supply, and more about power consumption, refer to the label attached to the product.

✎ Hereby, Samsung, declares that this PDP TV is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.